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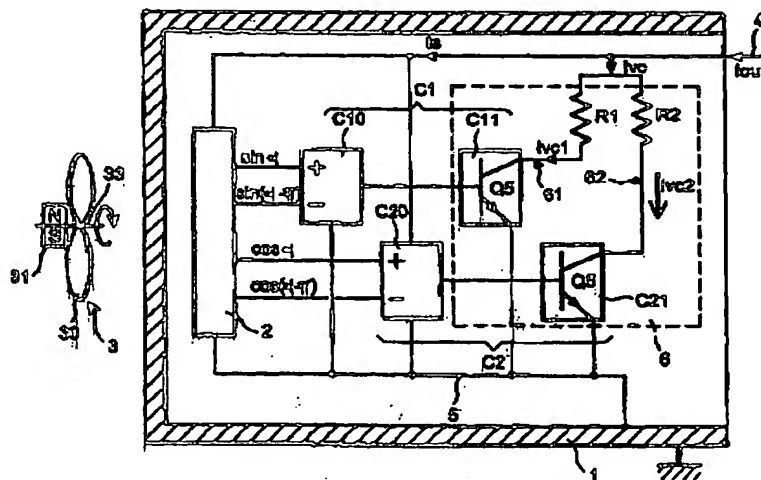
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(54) Title: COMPACT DEVICE FOR MEASURING THE SPEED AND THE DIRECTION OF ROTATION OF AN OBJECT



(57) **Abstract:** The invention concerns a device for measuring the speed and direction of rotation of an object (3) near to which it is placed. It comprises: - a magnetic detection device (2) that delivers, in response to a rotation of the object (3) generating a magnetic field variation, signals representative of its speed and its direction of rotation, - a conductor (4) intended to be connected to a power source to supply current to the magnetic detection device (2) at least, - current receptor means (6) placed between the magnetic detection device (2) and the conductor (4) that create, from signals coming from said magnetic detection device (2), a modulation of the current (Iout) flowing in the conductor (4), said modulated current (Iout) reflecting both the speed and the direction of rotation of the object (3). Application particularly in the oil industry.